Į

N W

Inventors: Christen M. Anderson et al. Serial No. 09/811,094 Docket No. 660088.420D4

ANT2m ATGACAGATGCCGCTGTGTCCCTTCGCCAAGGACTTCCTGGCAGGTGGAGTGGCCGCAGCCATCTCCAAGACGGCGGTAGC ANT3m ATGACGGAATCAGGCCATCTCCCCAAAGACCTCTTTGGCCGCAAGACGCCATCTCCAAGACGGCCGTTGGC PCCCATCGAGAGGGTCAAACTGCTGCTGCAGGTCCAGCATGCCAGCAAACAGATCAGTGCTGAGAAGCAGTACAAAGGGA 160 160 160 240 ANT1m TCATTTGATTTGTGTGGTGAQAATCCQTAAGGAGCAGGGQTTTQCTQTCCTTCTGGAGGGGTAACCTGGCCAACGTGATCCQT ANT2m TITIATAGACTGCGTGGTCCGTATITICCCAAGGAGCAGGAAGGTTCTGTCCTTCTGGCGGGGGAACCTGGCCAATTGTCATCAGGA 240 ANT3m TOGTGGACTGCATTTGTCCGCATCCCCAAGGAGCAGGGCGTGCTGTCCTTCTGGAGGGGGTAACCTTTGCCAACGTCATTTCGC 240 ANT1m TACTTCCCCACCCAAGCTCTCAACTTCGCCTTCAAGGAQAAGTACAAGCACQTCTTQTTAGGGGGTGTGGATCGGCATAA 320 ANT2m TACTTCCCCACCCAGGCTCTffAACTTCGCCTTCAAAGATAAATACAAGCAGATCTTCCTGGGTGGTGTGGACAAGAGAAAC 320 ANT3m TACTTCCCCACTTCAAGCOCTCAACTTCGCCTTCAAGGATAAGTACAAGCAGATCTTCCTGGGGGGGCCGTGGACAAGCACAC 320 ANT1m GCAGTTCTGGCGCTACTTTGQTGGTAACCTGGCQTCCGGTGGGGCCGQTGGGGCCACCTCCCTTTTGTQTACCCGC 400 ANT2m [CCAGTTI]]TGGC[]CTACTTTGC|AGC|GAA[]CTGGC|ATC[GGGTGCCGC|AGGGGGCCACATCCCTGTG[]TTTGTGTACCC[]C 400 TGGAQTTTGQTIAGQACQAQGTITGGQTIGCTGATGTGGGCQAQQC---GCGQCQAGCQTIQAGTTCQATGQTICTGGGCQGACTQTI 477 480 

ANT1m ATCATOAAGATCTITCAAGTCTGATGGCOTGAGGGGGCTGTACCAGGGTTTCAACGTCTCTGTCCAAGGCATCATTATCTA ANT2m CTGQTTAAGATCTACAAATCTGATGGGATTAAGGGGCCTGTACCAAGGCTTTTAACGTQTCTGTGCAGGQTTATTTATCATCTA ANT3m CTGGTGAAGATOACCAAGTOCGACGGCATCCGGGGCCTGTACCAGGGCTTCAGTGTCTCCGTGCAGGGCATCATCATCTA 560 ANT1m [TAGAGQTIGCCTACTTCGGAGTCTATGATACTGCCAAGGGGATGCTGCQTIGACCCCAAGAAQGTIGCACAT[T]]T[TGTGAGCT 637 640 ANT3m CCGGGCGCCTACTTCGGCGTGTACGATACGGCCAAGGGCATGCTCCCCGAGCCCCAAGAACACGCACATCGTGGTGAGCT 640 717 ANT2m GGATGATCGCACAGACTGTTCACTTGCTGTTTGCCGGCTTTGACTTTCCCATTCCACTGTTCCCACTGTTCCCACTGATGATGATG 720 800 ANT3m CAGTCCGGGCGCAAAGGAGCTGACATCATGTACACGGGCACCGTCGACTGTTTGGAGGAAGATCTTCAGAGAGATGAGGGGGGG 800 ANT1m CAAGGCCTTCTTCAAAGGTGCQTGGTCCAATGTQCTGAGAGGCATGGGCGGTGCTTTTGTATTTGGTQTTGTATGATGAGA 880 ANT3m CAAGGCCTTCTTCAAGGGTGCDTGGTCCAAGGTOCTGCDGGGGCATGGGGGGGCCCCTTCTTCAAGGGTGCACGAGGAGGAGC 880 ANT1m TCAAAAATATGTCTAA 894 ANT2m TCAAGAAGTACACATAA 897 ANT3m TCAAGAAGGTGATCTAA 897

Fig. 1B

Title: PRODUCTION OF ADENING AUCLEOTIDE TRANSLOCATOR (ANT), NOVEL ANT LIGARISAND SCREENING ASSAYS THEREFOR

Inventors: Christen M. Anderson et al. Serial No. 09/811,094 Docket No. 660088.420D4

HANT1p M@DFIANGFI\_KDFLAGAVAAAVSKTAVAPIERVKLLLQVQHASKQI\$AEKQ 50 HANT2P MTDANVSFAKDFLAGGVAAAISKTAVAPIERVKLLLQVQHASKQITADKQ HANT3D MTEONISFAKDFLAGGTAAAISKTAVAPIERVKLLLQVOHASKQIAADKQ HANTID YKGIIDCVVRIPKEQGFLSFWRGNLANVIRYFPTQALNFAFKDKYKQLFL 100 HANT2D YKGIIDCVVRIPKEQEVLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL 100 HANT3p YKGIMDQTVRIPKEQGVLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFL HANT1p GGVDRHKQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVQRR-A 149 HANT2p GGVDKRTQFWLYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGKAGA 150 HANT3D GGVDKHTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTRLAADVGKSGTI 150 HANT1p | QREFFIGLGDQTIKIFKSDQTRGLYQGFNVSVQGIIIYRAAYFGVYDTAKG 199 HANT2D EREFRGLGDCLVKIYKSDGIRGLYQGFNVSVQGIIIYRAAYFQTYDTAKG 200 HANT3D EREFRGLGDCLWKITKSDGIRGLYOGFSVSVOGIIIYRAAYFGVYDTAKG 200 HANT1p MLPDPKNVHIFIVSWMIAQSVTAVAGLILSYPFDTVRRRMMQSGRKGADIM 249 HANT2D MLPDPKNTHIVIISWMIAQTVTAVAGLITSYPFDTVRRRMMQSGRKQTDIM HANT3D MLPDPKNTHIVVSWMIAQTVTAVAQVVSYPFDTVRRRMMQSGRKGADIM 250 HANT1p YTGTVDCWRKIAKDEGAKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYN. 298 HANT2D YTGTDDCWRKIARDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYT. 299 HANT3p YTGTVDCWRKIERDEGGKAFFKGAWSNVLRGMGGAFVLVLYDEDKKVI. 299

Fig. 2

COMPLOUP. COMPLOI

Inventors: Christen M. Anderson et al. Serial No. 09/811,094 Docket No. 660088.420D4

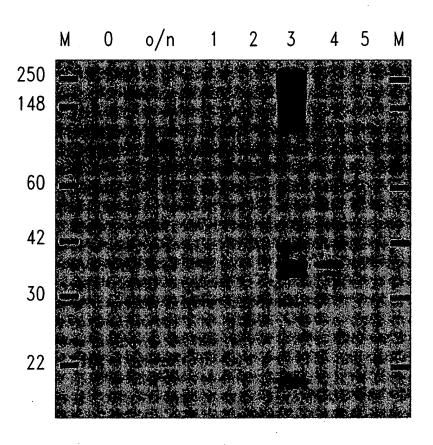


Fig. 3

BEST AVAILABLE COPY

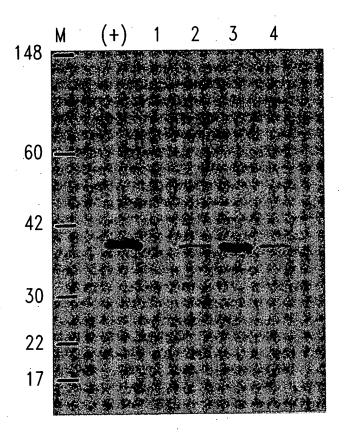


Fig. 4

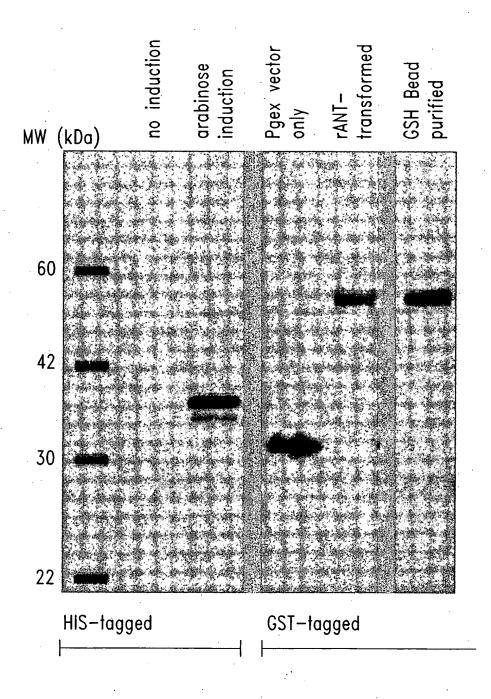


Fig. 5

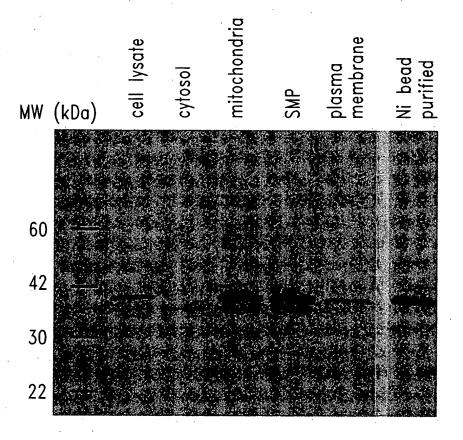


Fig. 6

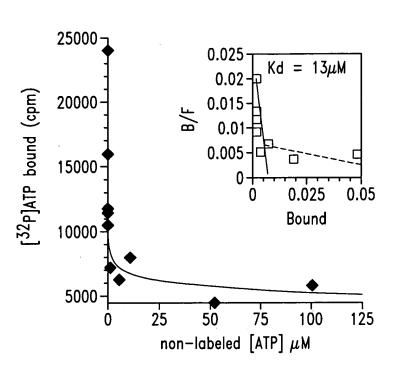


Fig. 7

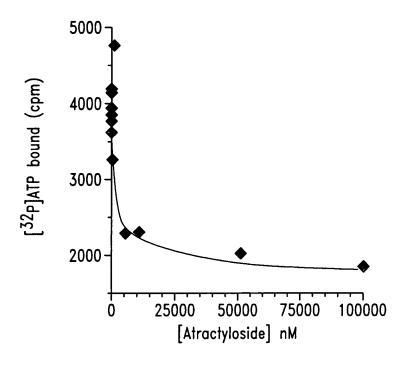


Fig. 8

DOOLLOGI. OFFICE

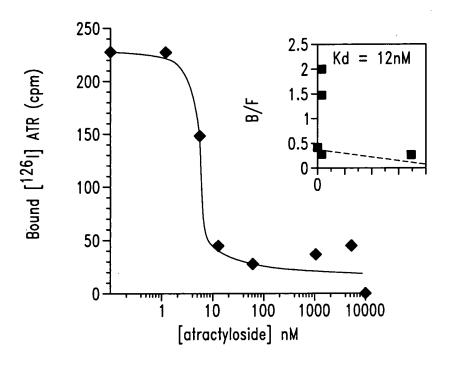


Fig. 9

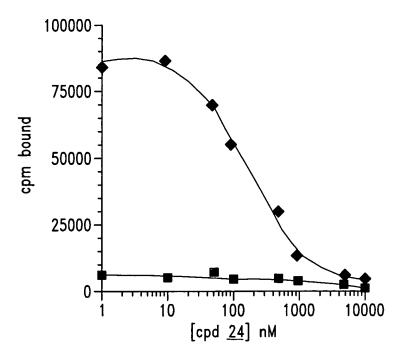
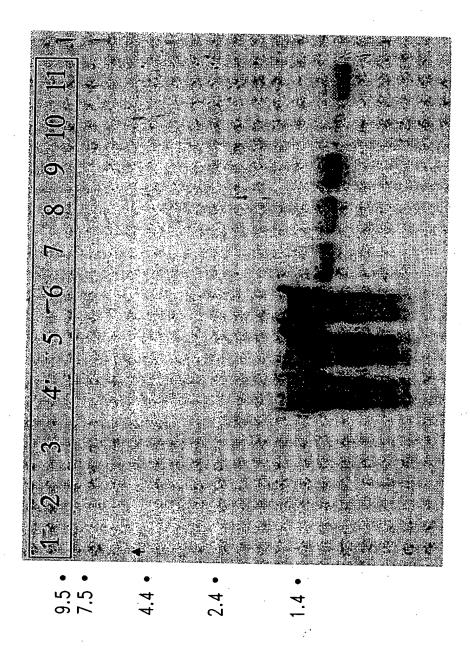


Fig. 11

ngslicet.cspl

Inventors: Christen M. Anderson et al. Serial No. 09/811,094 Docket No. 660088.420D4



BEST AVAILABLE CO.

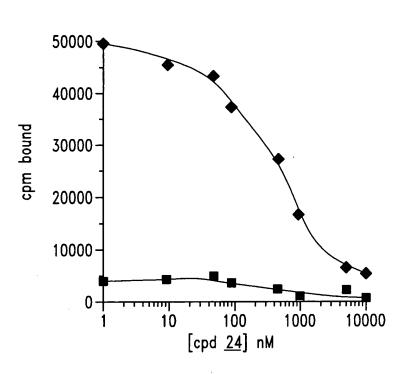


Fig. 12

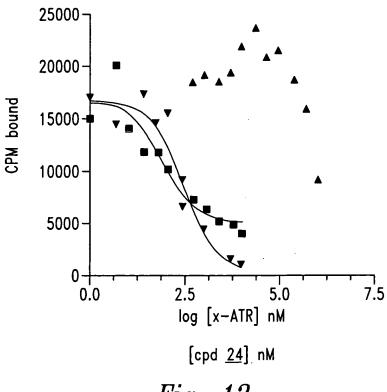
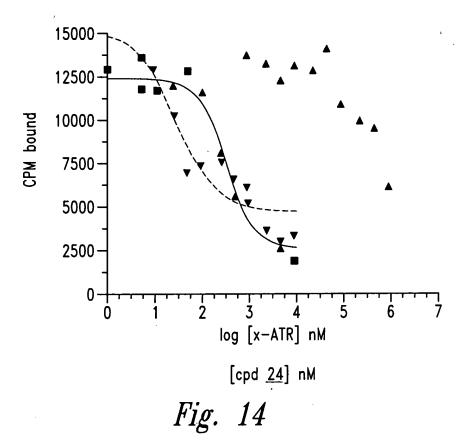


Fig. 13



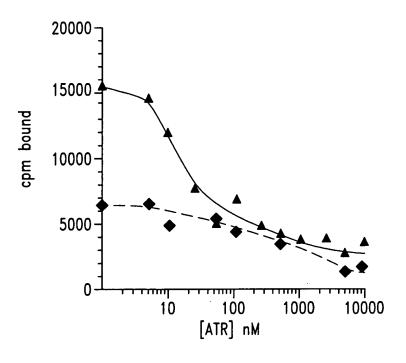


Fig. 15

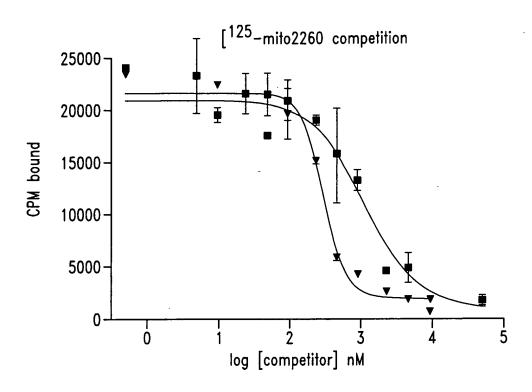


Fig. 16

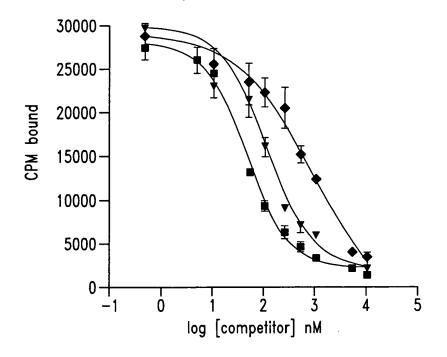


Fig. 17

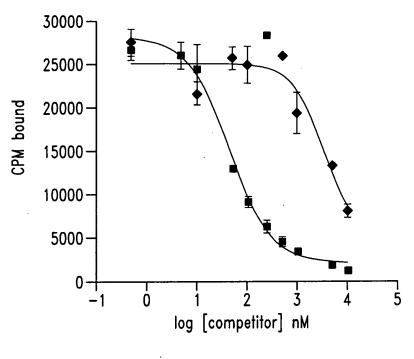


Fig. 18

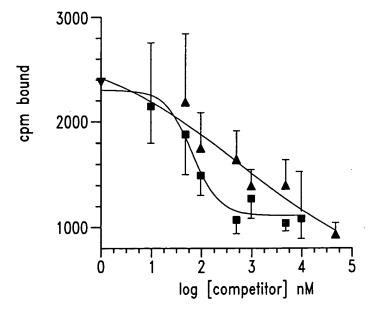


Fig. 19